



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERVICE EVENTS

Interested in helping? Visit <http://www.rars.org/public-service.php>

frequently for our 2017 ham public service schedule.

RARS General Meeting

Topic: Digital Mode WSPR, by Tom McKee, K4ZAD

Date: November 14, 2017

Time: Meeting at 7:30PM

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

President's Message

I'd like to take this opportunity to welcome a group of new folks to ham radio. The recent Technician class finished in October. Many passed their Technician tests and a couple went on to General and Extra Class. Most also took advantage of the complimentary initial RARS membership. Hopefully, once they all get their feet wet and see what RARS and ham radio are all about, they will become more active in RARS and its related activities.

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RARS Officers

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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <http://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARSfest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

President's Message continued

The annual JOTA (Jamboree on the Air) sanctioned by Boy Scouts of America was held on Saturday, October 21. RARS had VHF, HF CW, HF SSB, and HF Digital stations set up to allow the scouts exposure to the many modes of amateur radio. A good number of scouts visited the site. Many thanks to the RARS members who helped to make this possible.

For those still in need of a license upgrade, you're in luck. RARS will have their quarterly VE test session prior to the next membership meeting on Tuesday, November 14. The session will be held in the same location as the meeting at 5:30 pm.

Hamfest season is also drawing to a close. The last one on the list for the region is JARSfest, on November 19, at the American Legion post in Benson. VE testing will be offered by the RARS VE team. JARSfest is a long-running Hamfest and is another great opportunity to support your local ham community.

73,

Dennis Keith

NC4DK

Deepest Sympathies

A transfer of \$50 has been made to the RARS / Dick Bitner Youth Education fund in memory of Sam Johnson NC4SJ (September 13, 1927 – October 18, 2017)

<http://www.legacy.com/obituaries/newsobserver/obituary.aspx?pid=187019230>



Future Hamfests

A full list of Hamfests can be found at the [ARRL website](#).

11/19/2017 | [JARSFest 2017](#)

Location: Benson, NC

Type: ARRL Hamfest

Sponsor: Johnston Amateur Radio Society

Website: <http://www.jars.net>

03/31/2018 | [North Carolina State Convention \(Raleigh Hamfest\)](#)

Location: Raleigh, NC

Type: ARRL Convention

Sponsor: Raleigh Amateur Radio Society

Website: <http://rarsfest.org>

RARS November Birthdays

Joe	WA4GIR	11/02
Mark	KM4PFO	11/06
Clayton	KE4DOX	11/07
Carroll	KD4JH	11/07
Jeff	AC4ZO	11/08
Lynn	W9CLF	11/09
Rich	NC4EN	11/11
John	K4TOO	11/11
Steven	KE4QBH	11/12
Glenn	NC4NC	11/16
Rolf	K8SL	11/19
Donna	KM4WRP	11/20
Nikolay	KM4UAG	11/20
Mark	WD4KSE	11/21
Donald	KJ4DNI	11/21
Bill	KG4CXY	11/24
Scott	KI4OCF	11/24
Terri	N4ZUD	11/25
Lannie	KK4QEF	11/25
Doug	N3LTV	11/26
Bob	KM4ZBW	11/27
Stu	KM4GDP	11/28

New RARS Members

Devin Hedge	KN4FVH
Ronnie Eubanks	KN4GYV
Jack Kazebeer III	KN4GHJ
Chris Hess	KN4GYY
Ken Castille	KN4GUS
Mike Winters	KN4GUT
Luke Baker	KN4GYU
David Marable	KN4GZA
Greg Muffler	K4IPO

October RARS Auction



Waiting for the auction to start



Some of the auction items



Some of the auction items

*New HAM / Elmer meeting, 6:00 p.m. before the
member meeting*

Tadd Torborg, KA2DEW, Elmer Coordinator

*The New Hams meeting is held every month before the regular RARS meeting.
We'll try to start by 6pm. We try to address topics in a manner that will be of help
to hams in their first year of operation.*



Billy Janke, KE4VNC from Wendell

In October we had a group discussion led by KA2DEW on HF dipoles and versions of wire antennas. The group consisted of eight new hams and another four experienced hams. The group decided that dipoles worked well and are easy and that a FAN/ PARALLEL dipole is the best inexpensive wire antenna. They also warned that antennas that are cheap/small or otherwise miraculously better than a dipole are probably not going to perform as well as one might hope. At the meeting we had a fully assembled Carolina Windom, baluns, coax, ladder line, and an antenna tuner.

Thanks to NC4FG, KE4VNC, K2UCU and KA2DEW for proctoring thanks to all who attended and had great input to the discussion.

*Tadd / KA2DEW
tadd@mac.com
Raleigh NC FM05pv*

Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

11/14/2017	RARS Officers election and digital mode WSPR WSPR (pronounced "whisper") stands for "Weak Signal Propagation Reporter."	Election committee & Tom McKee, K4ZAD
12/12/2017	RARS pot luck Holiday party. Sign up at the RARS website. RARS Officers induction.	Election committee
1/9/2018	RFI tracking and location.	Dave Wood, W4EJ

RARS has a new website just for RARSfest

<http://rarsfest.org>

Thanks to K4HM - Hank

Boy Scout Amateur Radio Service to Scouting Award

If you know a Boy Scout leader that supports the Scout's work with amateur radio they may have completed enough of the requirements to be nominated for the Amateur Radio Service to Scouting Award. It normally requires several years of working with the Scouts and amateur radio to complete enough of the steps to earn the nomination. The requirement list is available at the following link by clicking on Nominations <http://www.arrl.org/news/boy-scouts-recognize-arrrl-amateur-radio-service-to-scouting-award> A Scout leader must be nominated to be considered to receive the award. Please consider reviewing the list for our amateur radio operators involved in Scouting. A Scout is Trustworthy.

73, Dave Price, K4KDP

Boy Scout Troop 258 Chaplain

Torhunta District Committee Member

Trustee, Tuscarora Radio Club. KT4BSA

ARRL North Carolina Section Youth Coordinator - Scouting

The Occoneechee Council University of Scouting November 4 at Wake Tech

The Occoneechee Council University of Scouting was attended by Murray Merner, K4MHM and Dave Price, K4KDP, at the southern campus of Wake Tech Community College on Saturday, Nov. 4. This was the fourth year in a row that RARS has had a booth at the annual event. The booth contained information on Boy Scout merit badges, JOTA, RARS license courses, and even the new Girl Scout badge. HF and VHF/UHF equipment and antennas were displayed. The event was well attended by adult “scouters.” The booth is usually visited any time after 10:00 a.m. but most of the traffic is at the lunch break. This year the RARS booth had the most visitors ever. There were constant people during lunch and later. At times, Murray and Dave could be found talking to three people each at the same time. There was a lot of interest in the technology, licensing and courses with a number providing information to be contacted about courses – Technician and General. Many visitors were already hams, but were inactive or in need of an upgrade. Some who had attended had participated in JOTA this year.

Murray Merner, K4MHM



Chris Cancilla, W4CEC; Dave Price, K4KDP; Keith Cochran, KN4ALF; Murray Merner, K4MHM

Boy Scout Jamboree On The Air

JOTA (Boy Scout Jamboree On The Air) is a busy time of the year for Boy Scout leaders that are also amateur radio operators. I was fortunate to be able to visit the JOTA exhibit at the Latter Day Saints Church in Raleigh and Mr. Bill AK4BL station at a Cub/Boy Scout campout in Rolesville.

This year I set up a pre JOTA station on October 14th at Boy Scout Camp Tuscarora near Bentonville, NC. The same station was set up for JOTA at Camp Tuscarora on Saturday evening October 21 then again on Sunday for Boy Scout Troop 42 and Troop 48 at Faison United Methodist Church. At the request of some parents I set up my station on October 28 for some Cub/Boy Scouts at Camp Tuscarora. This year's station was a practice emergency station that included a used car battery connected to a MFJ-4416 battery booster that kept the voltage at 13.8 volts. The radio was an ICOM IC-706MKIIG matched with a MFJ-993B tuner. A collapsible 30 foot fiberglass mast with a G5RV Jr antenna were supported by a drive on vehicle tire support stand. Volunteers from the Wayne County Amateur Radio Association joined me twice and we found we could go from an empty grass lot to transmitting in about 15 minutes. You can view pictures of the stations on my Facebook page "A Scout is Reverent". Working with the Boy Scouts and amateur radio is always an enjoyable time.

73, Dave Price, Boy Scout Tuscarora Council Chaplain,
ARRL NC Section Youth Coordinator – Scouting.



Boy Scouts and Amateur Radio - 60th Jamboree on the Air October, 2017

The Town of Faison, in Eastern North Carolina, has a connection to Raleigh and RARS. Ron Oates, AA4VK, from Raleigh, grew up in Faison, in the 1950s and supported Faison Troop 48 in its first JOTA event. Ron setup his station, at the Faison United Methodist Church, where he had attended, as a child. Rick Beale, N4AGI, a former Eagle Scout, also from Raleigh, accompanied Ron to his home town to assist with the Troop 48 participation in JOTA 2017.

The unique thing about Troop 48 is that it was recently re-established, in Faison, by Scout Master, Brian Bullard, after more than 50 years of inactivity.

Dave Price, K4KDP, Section Youth Coordinator - Scouting for the NC Section, trustee of KT4BSA, Tuscarora Radio Club, also attended to support Troop 48 and set up his station, a mobile DC powered ICOM IC-706. The AA4VK station consisted of an ICOM 756, dipole antennas for 40 and 20 meters, and a G5RV antenna for 20-10 meters.

Seventeen scouts, including one Cub Scout participated in their first JOTA event. All of the scouts wore their uniforms. Each of the scouts had an opportunity to sit at the radios and turn the dials to listen to ham radio operators from across the USA. In addition, each scout had the opportunity to talk with amateur radio operators in nine states. Most of the young scouts were very shy about speaking over the radio. At first, only 3 of the 17 scouts volunteered to talk to the ham operator, whose voice was coming through the speaker. However, when asked if they would like to **EARN** the beautiful 60th Jamboree On The Air (JOTA) patch, every scout lined up to speak over the radio. Each scout gave his first name and spelled his name phonetically. They also gave their age, what year they were in school, and their favorite subject. Most said science, and a few said math. A big laugh came from parents who were watching, when one scout said "lunch".

The first JOTA event in the Town of Faison was a big success for the scouts, as they learned about amateur radio and pursued the Radio Merit Badge. However, the greatest reward may have been by the amateur radio operators who participated in this event in introducing our great hobby to the next generation of Amateur Radio Operators.

Ron Oates, AA4VK

60th Annual Jamboree on the Air – October 21, 2017

by Rob Cox (N4MN)

Thanks to all those who participated in this year's Jamboree on the Air. A super-big shout out to RARS members Carl Davis (W8WZ), Dan Marks (KW4TI), Dennis Mason (WZ0Q), Craig Sheppard (W4CRG) and Murray Merner (K4MHM) for their help operating and working with the scouts that visited. We also had the help from a non-RARS member, Mr. Chuck Ayers (N1KGY). Others attending and helping out at JOTA included Chuck Littlewood (K4HF), Dennis Keith (NC4DK), Karl Bowman (W4CHX) and Dave Price (K4KDP). We also had a huge upgrade this year. Joe Rizza (N1LVN) created two vinyl signs for us to place near the road to direct people to our event.



We began the day at 7:00am by setting up canopies borrowed from the Occoneechee Council (BSA) offices. We setup the tents, the signs, the tables and chairs and ran power to each station. By 10:00am we were all setup and tested and ready for the visitors. Like last year, this year's venue was at the Church of Jesus Christ of Latter-day Saints on Six Forks and Shelly Road in North Raleigh. This area has a large front lawn with plenty of areas for tents and antennas. It also has a very large parking lot for visitors.

Let me outline the stations that we had operating during this event.

Our 2-meter station was a Yaesu 817ND connected to a homebrew copper J-pole antenna

Continued from the previous page

attached to a painter's pole. This station was manned by Dennis Mason and he helped scouts make contacts throughout the county on the RARS 146.64 repeater.

Carl Davis manned a CW station that was connected to an inverted V that was launched up into a nearby tree. Surprisingly, this station was a big hit. The scouts were memorized at the dits and dahs and waited with anticipation as Carl deciphered the Morse code and told the boys where the operator on the other end was from and described the garden and vegetables that he was growing. One scout came to a nearby station and while filling out his QSL card he wanted to know if he could fill in the notes with Carl's "dot language."

Chuck Ayers had an HF rig that was connected a dipole antenna hoisted on a pole mounted to his vehicle. These stations primarily worked 20m and 40m and gave the Scouts some experience making HF contacts on SSB. Our event used the club call, KF4BSA – this callsign was acquired and used last year for our JOTA event as well.

The final station was a Yaesu 991 operating digitally on 20 and 40 meters using a Buddipole at about 20 feet. This entire station was operating off of solar power. I had a computer connected to the rig and we were operating FT8. I had two monitors, one running Ham Radio Deluxe and HRD Logbook and a web browser with PSKreporter.info and QRZ.com. The other monitor had WSJT-X and JTAlert. Even without making contacts, I was able to show the scouts where my signal was being heard throughout the United States and Canada and also over in Europe. We logged contacts up and down the east coast and into Canada.

We had about 30 visitors and 15 scouts signed in on our visitor log. Our total numbers were down from last year and we were reminded that many of our visitors from 2016 were from eastern North Carolina that traveled to Raleigh because many JOTA sites in their area were flooded or without power from Hurricane Matthew.

Continued from the previous page

Please mark your calendars for next year, October 20, 2017. I anticipate that we will hold the event at the same place

Anyway, thanks for paying attention all the way to the end. We had a blast at JOTA and we look forward to doing it again next year. 73!



Photo by Chuck Littlewood, K4HF

Photo 1: Rob Cox (N4MN) and Murray Merner (K4MHM) operating FT8

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Photo by Chuck Littlewood, K4HF

Photo 2: Making sure that the solar panels are tracking the sun. What a beautiful day!



Photo by Rob Cox, N4MN

Photo 3: Dan Marks (KW4TI) and Carl Davis (W8WZ)

enjoying the day and waiting for some scouts.



Free Online Morse Training for Young Hams

The CW Operator's Club (CW OPS) is expanding its very successful CW Academy Program to include a special opportunity for hams between age 11 and 19 to learn Morse Code in free online classes with hams their own age. Students will be grouped into classes with other hams in their age range (11-13, 14-16, 17-19) and in their time zone for online CW training over SKYPE.

In addition to training in Morse Code, CW OPS will provide volunteers in the student's area to help him/her with antenna and radio station installation when possible. Additionally, a program to provide free loaner HF stations to students in the program is also being developed.

Hams in the US or Canada aged 11 to 19 who are interested in this opportunity should register via e-mail to K6RB58@gmail.com with the subject line YOUTH CWA between 15 November and 15 December 2017. Classes will begin in January 2018. The e-mail should include:

- First & Last Name
- Callsign and current license class
- Age
- Time Zone
- E-mail address
- Telephone Number

CW Ops will continue to offer its free three stage online CW Academy to hams over age 19 without change to that established program. Full details can be found on www.cwops.org

73, Carl Davis, W8WZ

Results of the 2017 CQWW WPX CW Contest

BY TERRY ZIVNEY*, N4TZ

A bad weekend contesting beats a good week at work. This must be a worldwide belief, because this year, a new record of 4,373 logs was submitted despite the continuing downward trend in propagation. Many operators posted notes in their QRM comments along the lines of "conditions went from good to bad to worse, but I had a lot of fun." As KU2M noted, the weekend provided serious fun even for those who weren't serious this year.

Single-Operator All Band

Tom, W2SC, must have been pumped up by the talk he gave at the Dayton Hamvention®. He told the assembled contesters that the mission of his 8P5A station was to win contests. And he fulfilled that mission as he won the CW leg to get a sweep of the CQWW WPX contest. Nate, N4YDU, (Photo A) moved his remote NR3X operation from New York in the SSB leg to Maine in the CW leg to win stateside honors, beating out Bob, KQ2M/1, the SSB U.S. champ, who stayed put at his home

e-mail: <n4tz@cqwpx.com>



Photo A. Nate, N4YDU, operated a remote station in Maine as NR3X, from his home in North Carolina. NR3X was the top scoring U.S. single operator station.



Photo B. The station layout at CR6K is a very symmetrical implementation of the SO2R philosophy. Filipe (inset) CT1ILT shares the station with Jose, CT1CJJ.

18 • CQ • November 2017

Visit Our Web Site

Local Ham, Nate, N4YDU was the top scoring US single operator station.

Copied from page 18 of the November 2017 issue of CQ magazine

The Future of Ham Radio

Copied from the Topband (160M) reflector

Fri Oct 27 01:03:19 EDT 2017

Hi all,

I apologize if this is not the place for this, but the recent FT8 discussion has gotten me to thinking. I'm one of the younger hams in the hobby. I got my license and extra at 20 and am 26 now. I was semi-active on the phone bands up until late 2015 when I moved into my current apartment and put up a bunch of wire antennas. I have a G5RV, 30m dipole, and a 160m L. Now, I am one to admit that I'm not all that proficient at Morse, but I can fudge my way through a QSO. Because of this, I have almost exclusively (outside of contests) turned to digital operating. I, personally have that thrill of working a new one on whatever band regardless of mode, even if it's a JT/FT mode. I just worked my first Bahrain on 40m FT8 tonight and cracked a beer to celebrate.

My whole reason for writing this post is because of the "You can play in my sandbox only if you play my way" mentality. I am referring to the JT/FT modes if you want to be specific. I am lucky in that I rent from my uncle who doesn't care what wires I put up. On the other hand, most people my age are either living with their parents or are renting from people that will not let them participate in the hobby. In addition, I'm part of the vast minority of hams who got licensed before they were 40. I'll be blunt. It's going to be hard to retain teens in this hobby. Once they find girls/boys and go off to college, we might as well write them off for 20 years. This is an old (wo)man's hobby. It requires disposable income. I've barely cobbled together a station myself, but I'm limping along because of my love for this hobby.

I hate to say it, but this whole mindset is why the youth of today are turned off from ham radio. Why should I pump hundreds of dollars into a hobby if I'm going to be greeted with "You need to learn CW" "FT8 is ruining the hobby" "You're not a real ham because you didn't pass the code test." I realize that new things involve change and that change is scary, but can we please welcome people into the hobby, even though that future isn't what is comfortable? Isn't it better to be using the bands than for them to be sold off and forgotten? This hobby is extremely multi-faceted. Can we please not judge and harass the people that want to get involved? I guess the whole reason why I wrote this post is because I'm sick of the "DO IT MY WAY" mindset. Can we please just get back to having fun and ignore the politics?

73 es gud DX,
Nick K1NZ

Minutes

Raleigh Amateur Radio Society

Board of Directors Meeting
September 19, 2017

The Board of Directors of the Raleigh Amateur Radio Society met Tuesday, September 19, 2017, at Ridge Road Baptist Church. President Dennis NC4DK called the meeting to order at 7:04 p.m.

Present: Dennis NC4DK, Tom N4TL, Chuck K4HF, John K3RHJ, Carl W8WZ, Marty W4MY, Karl W4CHX, Joanne AA3N, Bill AK4BL and Bob NC1X; also guests Alan AB4OZ, Tara W4TSW, and Rob N4MN.

A quorum being present, approval of the minutes of the June 20, 2017, July 18, 2017 and August 15, 2017, Board of Directors meetings were moved, seconded and passed as corrected by the Board, in individual votes.

Vice President: Tom N4TL: Next month's program will be the annual auction. Charles Davis WA3UTC will be the auctioneer.

Treasurer: Greg KE4PAX: (not present) Greg reports by e-mail current membership is 336 including 15 honorary members. The board reviewed recent transactions and the financial condition of the Society. For additional details contact Greg.

Secretary: (Bob NC1X): - no report.

Public Service (John K3RHJ): Three events are scheduled in October. The club Facebook page may help with volunteers.

Education (Carl W8WZ): A new Technician class started Saturday, Sept. 16th. The first class went very well. There are 21 students. There will be a demonstration day on September 30 as the classroom is unavailable on that day. The classes are being videoed. Carl hopes to get the future General and Extra classes videoed as well so the club can have a library of classes.

PIO (Charles KM4AMT): Not present. The Brochure on the RARS website is current and can be updated as required in the future with little requirement to reprint it, except for RARSfest and similar events that need large numbers of physical hand-outs.

Minutes continued from the previous page

Director at Large (Joanne AA3N): No Report.

Director at Large (Marty W4MY): The recently instituted pledge of allegiance is being well received.

Director at Large (Raymond NC4OO): Not present.

Other Reports:

Scouting Coordinator (Charles KM4AMT): Not present. Karl W4CHX mentioned that RARS will be involved with the Scout University this year.

FM Repeater (Karl W4CHX): Karl W4CHX reviewed the status of the RARS repeater repair and restoration project. Hardline coax (230 ft.) has been ordered for the RTP repeater site (145.13MHz). This repeater installation is a joint effort between RARS and the Durham FM Association. There is a strobe light interference issue at the Bayleaf repeater site (444.525 MHz), which will likely require a tower climb to troubleshoot and repair. The RARS-owned Kenwood repeater (146.64 MHz) with new controller and link radios are configured and ready for installation at the tower site, which is close to the NC State Fairgrounds. Work continues on the link radios allowing the 146.64 and 145.13 MHz repeaters to provide linked operations. Karl W4CHX discussed future directions for a RARS Repeater Committee, including appointment of Alan AB4OZ to the committee and the goal of having a group of RARS members involved in the operation and maintenance of the RARS repeaters.

Exciter Chair (Tom N4TL): The due date for Exciter articles is Sept 30. Everyone should send articles to Tom.

Food Service Chair (Bill AK4BL): No report. NC4DK commented that the food remains very good at club meetings.

ARRL Liaison (Chuck K4HF): If you plan to use the new LF allocation you have to apply to a government agency. If they don't reply for 30 days you can assume approval. Every ham should register his/her QTH because it establishes documentary use on the frequencies that are allocated for shared amateur use. That will cause subsequent non-ham applicants, who can use other frequencies in the band, to go elsewhere. There's a link on ARRL website about this.

ARRL Section (Karl W4CHX): The Parity bill is in the Senate so there is hope for it. The bill can be very effective for amateurs despite criticisms recently published in ham magazines. Recent disasters have improved the image of ham radio.

Minutes continued from the previous page

Webmaster (Hank K4HM): Not present

RARSfest Chair (Ian N0IAN): Not present. Tara W4TSW says we will have a first planning meeting Oct 23. RARSfest will have own Facebook and Twitter this year.

Field Day Chair (Marty W4MY): Marty has materials to go to the storage facility. Alan AB4OZ can help.

NC QSO Party (Marty W4MY): The first meeting with SC will be November 11.

W4DW/W4RNC Trustee (Jeff AC4ZO): Not present.

Net Manager (Mary KG4OQA): Not present.

Old Business – none.

New Business – Rob Cox N4MN is looking for help with JOTA which will be October 21. JOTA will use call sign KF4BSA. Rob is requesting the club to provide patches for the JOTA participants, plus two roadside banners. The total cost will be about \$267.50. This will come from the education budget so a vote was not required.

Nominating Committee (Chuck K4HF): RARS still needs a candidate for Secretary. Any harmless drudge may apply.

The next Board meeting will be Tuesday, October 17, at 7:00 p.m. at the church.

The meeting was adjourned by President Dennis at 8:39 p.m.

Respectfully submitted,
Robert E Chapman, NC1X
RARS Secretary

Minutes

Raleigh Amateur Radio Society

General Meeting
October 10, 2017

The monthly membership meeting of the Raleigh Amateur Radio Society met at the Ridge Road Baptist Church in Raleigh. The meeting was called to order by President Dennis, NC4DK, at 7:27 p.m.

The Pledge of allegiance to the Flag was said.

There were 50 members present, which did constitute a quorum.

There being a quorum present, a motion to accept the minutes of the September 12, 2017 meeting, as published in the Exciter, was made, seconded and approved.

General and Director Announcements:

Vice President: Tom N4TL announced that next month's meeting will be Officer elections and a presentation on WSPR by Tom McKee, K4ZAD.

Treasurer: Greg, KE4PAX – (not present) By e-mail Greg reports we have 344 members this month. Anyone desiring additional treasury details should contact Greg.

Secretary: Bob, NC1X: No report.

Wade Gutreuter announced there is a new PCTN traffic net nightly at 1930 on the 145.15 repeater in Greensboro. The tone is 100Hz. They are looking for people to help run the net and for traffic to carry. Contact Wade.

Continuing Announcements:

The RARS Dinner takes place monthly on the first Tuesday (next: November 7) at 6:30 p.m., at the Golden Corral, 6129 Glenwood Ave.

The RARS Board meeting takes place monthly on the third Tuesday (next: October 17) at 7:00 p.m. in a conference room here at the Church. Members are invited to attend.

An After-meeting gathering takes place after each Membership meeting, at Applebee's, Hillsborough and Gorman Streets.

Minutes continued from the previous page

A New Ham/ Elmers meeting with new hams and anyone interested takes place at the church at 6:00 p.m. before each membership meeting. Tadd KA2DEW is in charge.

Guests: Dennis NC4DK introduced the guests: Ed N4YLW, Grant AA4GB, Marty KC4IDE, Paul AH6LS, Jack KN4GHJ, Ken Castile (call pending), and Stephen KN4DRO.

Board & Committee Reports

Public Service (John K3RHJ): Public Service is winding down for the winter. October will be the last month until March. There are three remaining events. John could use two more volunteers for these. American Diabetes will be last event, a 2-day event beginning Oct 30. See the RARS website for details.

Education Director (Carl W8WZ): Not present. The current Technician class will graduate next October 14th with 21 members.

Field Day (Marty W4MY): Not present. Field Day will be the last full weekend in June 2018.

FM Repeater (Karl W4CHX) – Not present.

RARSfest (Tara W4TSW): October 23rd is the first planning meeting, at TRRS.

N.C. QSO Party (Marty W4MY) not present: Check NCQSOPARTY.ORG. The QSO party will be in February 2018. NC and SC will combine again. There will be a “spelling contest” using the first letter of the counties.

At Large Directors: No reports.

New Business: Chuck K4HF presented the Nominating Committee’s Report/Recommendations:

RARS Officers for a Two-year term:

President: Carl Davis W8WZ

Secretary: Tara Goodwin W4TSW

RARS Board Members for One- year term:

Public Service Director: John Stone K3RHJ

Public Information Officer: Charles Good, KM4AMT

RARS Exciter Editor: Tom Lewis, N4TL

Minutes continued from the previous page

RARSfest 2018 Chair: Tara Goodwin W4TSW, Co-chair Ian Hewitt N0IAN

RARS Net Manager: Virginia Enzor NC4VA

At-Large Director: Alan Pitegoff, AB4OZ

At-Large Director: Joanne Mars, AA3N

At-Large Director: Marty Young, W4MY

FM Repeater Chair: Karl Bowman W4CHX

W4DW, W4RNC, N4RAL Trustee: Jeff Wittich, AC4ZO

ARRL Liaison: Chuck Littlewood, K4HF

RARS Education Director: W8WZ

Youth Director: Murray Merner, K4MHM

RARS Webmaster: Hank Montgomery, K4HM

RARS Chairs:

RARS Food Service Chair: Bill Mars, AK4BL

RARS NC QSO Party Chair: Marty Young, W4MY

RARS 2018 Field Day Chair: Marty Young, W4MY

RARS Volunteer Exam Coordinators – Liz White KO4CK and Joe White, WA4GIR

RARS Auction: - Dennis NC4DK introduced Charlie WA3UTC, the auctioneer. This concluded the Membership meeting at 7:50 p.m. and began the auction.

Respectfully Submitted,

Robert E Chapman, NC1X

RARS Secretary

10 October 2017

Corrected 10/22/17 per request of K4HF

RARS CLUB SHIRTS

Many of our members are wearing the blue RARS shirt. You can too, just go to the RARS website at RARS.org for details. Join your fellow members and "Get Blue."

Look for this just below the center of the RARS website main page.

Your RARS Shirts can be ordered from Supreme T-Shirts and Apparel in Garner.

An order form is available on the RARS [Members Only](#) page.

Questions should be referred to [Murray Merner, K4MHM](#).

Amateur Radio Parity Act (ARPA)

Dear ARRL Member:

Based on feedback I've received, it seems to me that some members still don't fully understand certain features of the Amateur Radio Parity Act (ARPA) and what it is meant to do. To make things clearer, we have developed an FAQ in the format of questions and answers. Please take a few minutes and read the FAQ to learn more about the ARPA.

Here is the direct link:

<http://www.arrl.org/files/file/Regulatory/The%20Amateur%20Radio%20Parity%20Act%20FAQ.pdf>

Here is another link with additional information:

<http://www.arrl.org/amateur-radio-parity-act>

Thanks to those of you who have written your Senators in support of the ARPA. If you have not done so, please do so by clicking on the link below. It only takes a minute.

<https://arrl.rallycongress.net/ctas/urge-us-senate-to-support-amateur-radio-parity-act>

Thanks. Let's keep the effort moving!

73, Rick Roderick, K5UR

President, ARRL - The national association for Amateur Radio®

Current Public Service Opportunities

To volunteer for a Public Service event please sign up at this location <http://www.rars.org/public-service.php>

The Ham Public Service Net The HPS Net is on vacation, we will resume when the 2017 PS season begins. We will use the following repeaters in the Carolina 440 Link System:

441.725(+)(100) – Raleigh, NC Hub
443.450 (+)(100) – Cane Mt., Snow Camp, NC
444.325 (+)(100) – Holly Springs, NC
444.375 (+)(100) - Henderson, NC
444.550 (+)(100) – Coats, NC
444.775 (+)(100 – Cary, NC
444.875 (+)(100) – Wendell, NC
145.330 (-)(100) – Goldsboro, NC
442.250 (+)(107.2) - McCain/Southern Pines, NC
444.200 (+)(179.9) - Johnsonville, NC
444.025 (+)(100) - Benson, NC
442.425 (+)(100) - Buxton, NC

(The net is also accessible through IRLP Reflector 9210)

The Ham Public Service Yahoo Group link is: [Ham Public Service North Carolina](#)

The 2017 Ham Public Service season has ended.

Thank you to all the Hams that volunteered their time this year! 15 events were on the 2017 RARS/HPSNC calendars.

The season ended with the 2017 CheetahFest in Rougemont on Oct. 28th.

An average of 10 Hams supported each event, resulting in nearly 1200 person-hours of volunteer time, not including the preparation time provided by event coordinators. From the ARRL's perspective, that's over \$22.5K in contribution we've provided to these 15 events.

The 2018 Ham Public Service season starts with the Eastern Region Odyssey of the Mind Tournament on Saturday, March 3rd. Signup information for this, as well as other events will appear here starting in January.

RARS Classifieds

Copied from www.rars.org/classifieds.php

The items below were listed within the last 30 days on the RARS website.

Estate items, N6UYB, Jack

Posted October 17th, 2017 by: KI4OTO

Contact: ki4oto@gmail.com

Generator, Honda EU-1000 (1000 watts surge, 900 watts rated) near new (first oil & gas @ Field Day, 2017). Never run. Very nice condition! New \$818.28. Ask \$735.00. Will deliver local.

Generator, Honda EU-2000 (2000 Watt surge, 1600 watt rated) almost new (first oil & gas & about 10 hrs. operation @ Field Day 2017). Runs like a dream! Very quiet & efficient! Very nice condition. New \$1,125.81. Ask \$1,015.00. Will deliver local.

Aluminum beam & vertical parts. About 4 h.f. beams, some multi band, & two h.f. verticals, all disassembled before relocation. Includes elements, booms, traps, matching & mounting devices. Stainless steel replacement bolts & nuts suggested. Take all or some of it @ \$2.50 per pound!

Coax cable, 50 ohm, several pieces, various lengths up to about 100 ft., most have connectors. Any reasonable offer accepted.

Tel. Ken KI4OTO @ 919-270-8773, 10 am to 10 pm., phone preferred. All \$ \$ negotiable.

Several Ham Radio Items For Sale

Posted October 14th, 2017 by: K4HF

Contact: k4hf@arrl.net

This gear has been checked out and is in very good or excellent working condition; many with manuals:

ICOM IC-451A Multimode 430/440 MHz Transceiver - \$150.

ICOM R-70 HF General Coverage Comm. Receiver, no FM - \$195.

ICOM IC-2000 2M 50 Watt Mobile - \$75.

ICOM IC-2001 2M 50 Watt Mobile - \$95.

Kenwood HF 100W Twins R599/T599 w/built in PS - \$250.

Kenwood Speaker SP-940 w/filters - \$90.

Kenwood Base Mike MC-60 - \$75.

Continued from the previous page

Yaesu FT-221 2M Multimode Transceiver - \$150.

Yaesu FT-736 Multimode w/2M & 440 Modules - \$695

Yaesu FT-2000 100W 160-6 Meter Transceiver w/MD-100 Base Mike, MH-31BB Hand mike and built in Power Supply - \$1025.

Dentron Monitor Jr. 80-10M 200 Watt HF Antenna Tuner - \$40.

Mirage Model D10-100 440 MHz UHF Amplifier - \$225.

Goldline 5 Pos. Coax Switch - \$20.

Pyramid Power Supply 13.8VDC 3A - \$5.

Contact me by E Mail, preferred, or (919) 872-6555 Thanks, Chuck

LDG M-7600 External meter for ICOM IC-7600, \$40.00

Posted October 14th, 2017 by: N4TL

Contact: n4tl2@yahoo.com

It works fine and includes the manual, power cable and interface cable. This is from the LDG website.

The LDG M-7600 provides a four 4 inch meter for the ICOM IC-7600. It will display S-meter on receive, or power out, SWR, ALC level or supply voltages, all selectable from the rig's setup menu. What's more, the M-7600 and the virtual meter on your radio can work together; for example, you can display SWR on the radio's meter and power output on the M-7600.

The meter face is backlit in cool LED blue, powered by any 12 volt, 250ma source; there's a brightness control on the case back. The meter itself is passive; it doesn't require the 12 volt supply.

73 N4TL

ICOM 7600 Panadapter, cables, splitter, Software and install DVD: \$75.00

Posted October 12th, 2017 by: W4EIP

Contact: fw1guy@hotmail.com

Originally purchased from mypanadapter.com for \$125. Not sure why they stopped selling the 7600 version. Don't need this one because I bought a used 7600 with panadapter already installed. The install DVD walks you through installation, setup and calibration.

Im running it on Windows 10 with Ham Radio Deluxe and it is a great enhancement to the 7600 waterfall screen, showing up to a 3 MHz frequency segment.

Continued from the previous page

Sony ICF-6700W multiband radio

Posted October 2nd, 2017 by: N4TL

Contact: n4tl2@yahoo.com

Sony ICF-6700W multiband radio with copies of operating and service manuals. The radio works on all bands. Sometimes the band switch needs to be moved back and forth to make good contact. The AFC switch is broken and is in the ON position. \$225 as is. My number is 919-740-0329, Tom N4TL

ASHEVILLE RADIO MUSEUM

Room 315 Elm Building, Victoria Road, A B Tech Community College

Asheville, NC 28801

November 7, 2017

Asheville Radio Museum Annual Fund Drive

We teach. We preserve.
We demonstrate. We inspire. All with a small group of unpaid volunteers who do it for the love of radio.

Admission is always free. With no source of funding, other than infrequent sale of duplicate equipment, we need your help.

North Carolina hams, please stand with us! Use the Donate button on our [home page](http://www.avlradiomuseum.org) (www.avlradiomuseum.org). It accepts Paypal or a credit card. Or, mail your check to The Asheville Radio Museum, 315 Elm Building, 340 Victoria Road, Asheville NC 28801.

Help keep the spirit of ham radio alive in North Carolina. Thanks for your support!
73 Stuart Smolkin



Interesting Websites

Free Heathkit book

<https://archive.org/details/Heathkit-AGuideToTheAmateurRadioProducts>

University of Arkansas callbook lookup at:

<http://callsign.ualr.edu/callsign.shtml>

or from their main info page at:

<http://callsign.ualr.edu/index.shtml>

It allows searching by name, address, town, state, zip, etc. A bit hard to get used to a few rules as it comes up last name then first and to search for say a first name of "Jim" it would be ,Jim (as in comma Jim). Searching Chicago, IL returned 2580 records with 1389 active.

Folded CounterPoise antenna for 160 meters

Local Ham , Guy, K2AV has preserved and enhanced the Folded CounterPoise (FCP) antenna information that Jack, W0UCE (SK) previously maintained, and has placed it on his website, K2AV.com. Guy and Jack started a correspondence about this antenna after Guy's article "The FCP: A 160 Meter Counterpoise for a Postage-Stamp Lot" appeared in the May/June 2012 NCJ. Information that has been added since the original article includes using it in an Inverted L configuration. Guy calls his website a "work in progress" since he intends to add more information as experimentation proceeds. <http://www.k2av.com/>

ARRL Sweep Stakes Contest is in November

<http://www.arrl.org/sweepstakes>